DIMOC Imagery Transmission (FFT/FTP) Specifications

NTSC (Standard Definition)
Resolution: 720 x 480
Pixel Ratio: D1/DV NTSC (0.9)
Field Order: Lower Field First (Interlaced) Frame Rate: 29.97 Bit Rate: 2-Pass Variable Bit Rate; 3,000 kbps (for low bandwidth capability) or 10,000 kbps (for high bandwidth capability)
Audio: Stereo 48 kHz

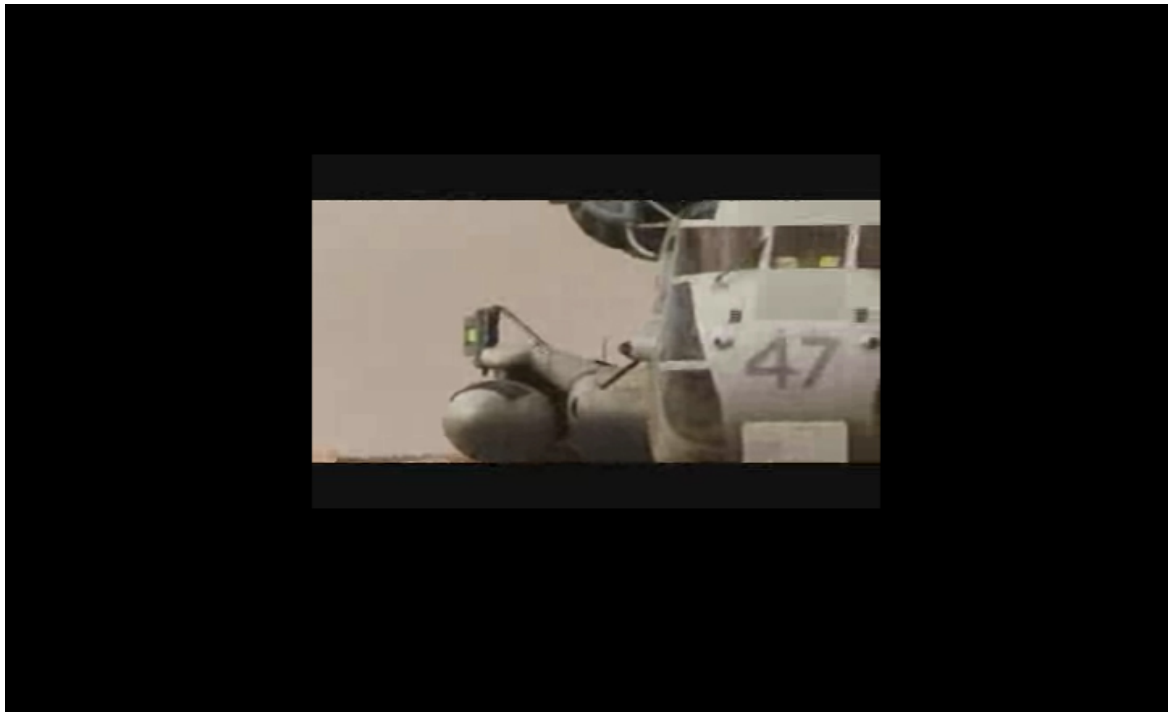
High Definition
Resolution: 1280 x 720 or 1920 x 1080
Pixel Ratio: Square Pixels
Field Order: Progressive/Interlaced
Frame rate: 29.97
Bit Rate: 2-Pass Variable Bit Rate; 3,000 kbps (for low bandwidth capability) or 10,000 kbps (for high bandwidth capability)
Audio: Stereo 48 kHz

Even though the DIMOC system can accept any of the common file types (MOV, WMV, AVI, MPG), our experience is that the Quicktime MOV with H.264 compression provides a good quality video with decent amount of compression for transmission.

Considerations when transmitting imagery are how large is the file and is the video desirable for editors. We have received files greater than 5GB in size which really consume the finite amount of space on the FFT and DIS servers. If using FTP, this is almost guaranteed to cause the file to corrupt. This means the video must be edited into stringers/prime cuts which best represent the b-roll from the event documented. The video should also be of a quality that an editor would be willing to use it. If the video loses quality due to excessive compression (artifacts), end users will be less willing to use it.

NOTE: These are transmission standards that are preferred and minimum standards. However, based on the transmission capability and situation, we recommend when necessary to send by the best available quality at that time.

Below are examples of video being the wrong resolution (320 x 240) and an image of video that has been compressed to a point that it caused artifacts to appear.



320 Video

Compressed Video Screen Shot